

AMSR-E EVENTS LIST

As of Jan. 22, 2016

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2015/12/04					AMSR-E Operation was completed	
2015/11/21	22:29	2015/11/21	22:45	0:16	MODIS Lunar Calibration Roll Maneuver #133	Roll Angle:-2.442deg
2015/11/20	15:25	2015/11/20	15:27	0:02	Drag Makeup(DMU) Maneuver #103	
2015/10/23	16:25	2015/10/23	16:49	0:24	MODIS Lunar Calibration Roll Maneuver #132	Roll Angle:-9.9686deg
2015/10/15	15:00	2015/10/15	15:03	0:03	Drag Makeup(DMU) Maneuver #102	
2015/09/25	15:58	2015/09/25	16:00	0:02	Drag Makeup(DMU) Maneuver #101	
2015/09/24	5:25	2015/09/24	5:52	0:27	MODIS Lunar Calibration Roll Maneuver #131	Roll Angle:-15.9152deg
2015/09/03	14:56	2015/09/03	14:59	0:03	Drag Makeup(DMU) Maneuver #100	
2015/08/25	16:46	2015/08/25	17:15	0:29	MODIS Lunar Calibration Roll Maneuver #130	Roll Angle:-18.6407deg
2015/07/29	15:21	2015/07/29	15:23	0:02	Drag Makeup(DMU) Maneuver #99	
2015/07/27	4:06	2015/07/27	4:35	0:29	MODIS Lunar Calibration Roll Maneuver #129	Roll Angle:-17.5242deg
2015/07/02	15:18	2015/07/02	15:20	0:02	Drag Makeup(DMU) Maneuver #98	
2015/06/27	15:26	2015/06/27	15:52	0:26	MODIS Lunar Calibration Roll Maneuver #128	Roll Angle:-13.5749deg
2015/05/28	23:26	2015/05/28	23:48	0:22	MODIS Lunar Calibration Roll Maneuver #127	Roll Angle:-8.0507deg
2015/05/22	16:23	2015/05/22	16:26	0:03	Drag Makeup(DMU) Maneuver #97	
2015/04/22	15:23	2015/04/22	15:54	0:31	Inclination Adjust Maneuver(Delta-I) #47	
2015/04/15	15:16	2015/04/15	15:47	0:31	Inclination Adjust Maneuver(Delta-I) #46	
2015/04/01	15:02	2015/04/01	15:33	0:31	Inclination Adjust Maneuver(Delta-I) #45	
2015/03/30	11:56	2015/03/30	12:15	0:19	MODIS Lunar Calibration Roll Maneuver #126	Roll Angle:-5.5075deg
2015/03/25	16:34	2015/03/25	17:05	0:31	Inclination Adjust Maneuver(Delta-I) #44	
2015/03/18	16:27	2015/03/18	16:58	0:31	Inclination Adjust Maneuver(Delta-I) #43	
2015/02/28	18:13	2015/02/28	18:34	0:21	MODIS Lunar Calibration Roll Maneuver #125	Roll Angle:-6.7121deg
2015/02/26	15:31	2015/02/26	15:34	0:03	Drag Makeup(DMU) Maneuver #96	
2015/02/04	16:32	2015/02/04	16:34	0:02	Drag Makeup(DMU) Maneuver #95	
2015/01/30	2:13	2015/01/30	2:33	0:20	MODIS Lunar Calibration Roll Maneuver #124	Roll Angle:-5.2116deg
2015/01/07	15:18	2015/01/07	15:21	0:03	Drag Makeup(DMU) Maneuver #94	
2014/12/31	11:54	2014/12/31	12:17	0:23	MODIS Lunar Calibration Roll Maneuver #123	Roll Angle:-0.5667deg
2014/12/17	15:46	2014/12/17	15:48	0:02	Drag Makeup(DMU) Maneuver #93	
2014/12/03	16:23	2014/12/03	16:25	0:02	Drag Makeup(DMU) Maneuver #92	
2014/12/02	4:26	2014/12/02	4:46	0:20	MODIS Lunar Calibration Roll Maneuver #122	Roll Angle:-0.2447deg
2014/11/12	15:13	2014/11/12	15:15	0:02	Drag Makeup(DMU) Maneuver #91	
2014/11/02	19:13	2014/11/02	19:33	0:20	MODIS Lunar Calibration Roll Maneuver #121	Roll Angle:-5.4716deg
2014/10/21	1:49	2014/10/21	1:51	0:02	Drag Makeup(DMU) Maneuver #90	
2014/10/08	14:14	2014/10/08	15:14	1:00	Drag Makeup(DMU) Maneuver #89	
2014/10/04	13:08	2014/10/04	13:34	0:26	MODIS Lunar Calibration Roll Maneuver #120	Roll Angle:-13.0681deg
2014/09/17	15:00	2014/09/17	16:36	1:36	Drag Makeup(DMU) Maneuver #88	
2014/09/05	3:47	2014/09/05	4:16	0:29	MODIS Lunar Calibration Roll Maneuver #119	Roll Angle:-17.9368deg
2014/08/27	15:16	2014/08/27	16:24	1:08	Drag Makeup(DMU) Maneuver #87	
2014/08/06	20:04	2014/08/06	20:33	0:29	MODIS Lunar Calibration Roll Maneuver #118	Roll Angle:-19.2678deg
2014/07/23	14:45	2014/07/23	15:49	1:04	Drag Makeup(DMU) Maneuver #86	
2014/07/08	9:03	2014/07/08	9:31	0:28	MODIS Lunar Calibration Roll Maneuver #117	Roll Angle:-16.132deg
2014/06/26	14:59	2014/06/26	15:58	0:59	Drag Makeup(DMU) Maneuver #85	
2014/06/08	22:01	2014/06/08	22:25	0:24	MODIS Lunar Calibration Roll Maneuver #116	Roll Angle:-10.8799deg
2014/05/29	14:40	2014/05/29	16:24	1:44	Drag Makeup(DMU) Maneuver #84	
2014/05/10	7:38	2014/05/10	7:58	0:20	MODIS Lunar Calibration Roll Maneuver #115	Roll Angle:-5.711deg
2014/04/24	15:50	2014/04/24	17:14	1:24	Drag Makeup(DMU) Maneuver #83	

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2014/04/10	13:51	2014/04/10	14:10	0:19	MODIS Lunar Calibration Roll Maneuver #114	Roll Angle:-4.2637deg
2014/04/09	14:08	2014/04/09	15:48	1:40	Drag Makeup(DMU) Maneuver #82	
2014/04/01	15:33	2014/04/01	16:04	0:31	Inclination Adjust Maneuver(Delta-I) #42	
2014/03/25	15:26	2014/03/25	15:57	0:31	Inclination Adjust Maneuver(Delta-I) #41	
2014/03/18	15:19	2014/03/18	15:50	0:31	Inclination Adjust Maneuver(Delta-I) #40	
2014/03/11	23:24	2014/03/11	23:46	0:22	MODIS Lunar Calibration Roll Maneuver #113	Roll Angle:-7.9643deg
2014/03/11	15:12	2014/03/11	15:43	0:31	Inclination Adjust Maneuver(Delta-I) #39	
2014/03/07	15:50	2014/03/07	17:44	1:54	Drag Makeup(DMU) Maneuver #81	
2014/02/09	23:07	2014/02/09	23:28	0:21	MODIS Lunar Calibration Roll Maneuver #112	Roll Angle:-6.8109deg
2014/02/05	15:35	2014/02/05	17:21	1:46	Drag Makeup(DMU) Maneuver #80	
2014/01/14	17:48	2014/01/14	19:35	1:47	Drag Makeup(DMU) Maneuver #79	
2014/01/11	3:52	2014/01/11	4:10	0:18	MODIS Lunar Calibration Roll Maneuver #111	Roll Angle:-3.5071deg
2013/12/18	14:33	2013/12/18	15:44	1:11	Drag Makeup(DMU) Maneuver #78	
2013/12/12	15:22	2013/12/12	15:34	0:12	MODIS Lunar Calibration Roll Maneuver #110	Roll Angle:-0.4853deg
2013/11/28	0:17	2013/11/28	0:19	0:02	Drag Makeup(DMU) Maneuver #77	
2013/11/12	23:40	2013/11/12	23:53	0:13	MODIS Lunar Calibration Roll Maneuver #109	Roll Angle:-1.2651deg
2013/10/25	2:01	2013/10/25	2:03	0:02	Drag Makeup(DMU) Maneuver #76	
2013/10/23	14:45	2013/10/23	15:54	1:09	Drag Makeup(DMU) Maneuver #75	
2013/10/14	17:34	2013/10/14	17:57	0:23	MODIS Lunar Calibration Roll Maneuver #108	Roll Angle:-9.8265deg
2013/09/15	8:13	2013/09/15	8:41	0:28	MODIS Lunar Calibration Roll Maneuver #107	Roll Angle:-16.5988deg
2013/09/05	14:05	2013/09/05	15:59	1:54	Drag Makeup(DMU) Maneuver #74	
2013/08/17	0:30	2013/08/17	1:00	0:30	MODIS Lunar Calibration Roll Maneuver #106	Roll Angle:-19.8433deg
2013/07/24	14:25	2013/07/24	16:24	1:59	Drag Makeup(DMU) Maneuver #73	
2013/07/18	20:04	2013/07/18	20:34	0:30	MODIS Lunar Calibration Roll Maneuver #105	Roll Angle:-19.154deg
2013/06/20	13:45	2013/06/20	15:44	1:59	Drag Makeup(DMU) Maneuver #72	
2013/06/19	12:20	2013/06/19	12:48	0:28	MODIS Lunar Calibration Roll Maneuver #104	Roll Angle:-14.2568deg
2013/05/21	2:54	2013/05/21	3:19	0:25	MODIS Lunar Calibration Roll Maneuver #103	Roll Angle:-7.9715deg
2013/05/15	14:13	2013/05/15	15:19	1:06	Drag Makeup(DMU) Maneuver #71	
2013/05/07	15:43	2013/05/07	16:14	0:31	Inclination Adjust Maneuver(Delta-I) #38	
2013/04/30	15:36	2013/04/30	16:07	0:31	Inclination Adjust Maneuver(Delta-I) #37	
2013/04/21	14:06	2013/04/21	14:27	0:21	MODIS Lunar Calibration Roll Maneuver #102	Roll Angle:-4.182deg
2013/04/16	15:22	2013/04/16	15:54	0:32	Inclination Adjust Maneuver(Delta-I) #36	
2013/04/09	15:15	2013/04/09	15:47	0:32	Inclination Adjust Maneuver(Delta-I) #35	
2013/03/23	20:26	2013/03/23	20:28	0:02	Drag Makeup(DMU) Maneuver #70	
2013/03/22	21:57	2013/03/22	22:20	0:23	MODIS Lunar Calibration Roll Maneuver #101	Roll Angle:-5.6636deg
2013/03/10	16:29	2013/03/10	16:32	0:03	Drag Makeup(DMU) Maneuver #69	
2013/02/21	2:34	2013/02/21	2:59	0:25	MODIS Lunar Calibration Roll Maneuver #100	Roll Angle:-7.7579deg
2013/02/14	16:29	2013/02/14	16:31	0:02	Drag Makeup(DMU) Maneuver #68	
2013/01/25	16:01	2013/01/25	16:03	0:02	Drag Makeup(DMU) Maneuver #67	
2012/12/19	15:09	2012/12/19	15:11	0:02	Drag Makeup(DMU) Maneuver #66	
2012/12/04					Observation with 2 rpm was started	
2012/11/28	14:05	2012/11/28	15:12	1:07	Drag Makeup(DMU) Maneuver #65	
2012/11/23	18:46	2012/11/23	18:58	0:12	MODIS Lunar Calibration Roll Maneuver #99	Roll Angle:-0.4121deg
2012/11/08	14:36	2012/11/08	15:31	0:55	Drag Makeup(DMU) Maneuver #64	
2012/10/25	1:17	2012/10/25	1:38	0:21	MODIS Lunar Calibration Roll Maneuver #98	Roll Angle:-6.1841deg
2012/09/27	15:25	2012/09/27	16:34	1:09	Drag Makeup(DMU) Maneuver #63	
2012/09/25	14:16	2012/09/25	14:44	0:28	MODIS Lunar Calibration Roll Maneuver #97	Roll Angle:-14.8716deg
2012/09/13	15:20	2012/09/13	16:21	1:01	Drag Makeup(DMU) Maneuver #62	
2012/08/09	14:50	2012/08/09	15:51	1:01	Drag Makeup(DMU) Maneuver #61	

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2012/06/29	18:26	2012/06/29	18:54	0:28	MODIS Lunar Calibration Roll Maneuver #96	Roll Angle:-17.6473deg
2012/06/21	15:45	2012/06/21	17:34	1:49	Drag Makeup(DMU) Maneuver #60	
2012/05/31	12:21	2012/05/31	12:45	0:24	MODIS Lunar Calibration Roll Maneuver #95	Roll Angle:-10.73deg
2012/05/24	13:42	2012/05/24	14:49	1:07	Drag Makeup(DMU) Maneuver #59	
2012/05/08	15:18	2012/05/08	15:49	0:31	Inclination Adjust Maneuver(Delta-I) #34	
2012/05/02	6:10	2012/05/02	6:30	0:20	MODIS Lunar Calibration Roll Maneuver #94	Roll Angle:-5.5191deg
2012/05/01	15:11	2012/05/01	15:42	0:31	Inclination Adjust Maneuver(Delta-I) #33	
2012/04/24	15:04	2012/04/24	15:36	0:32	Inclination Adjust Maneuver(Delta-I) #32	
2012/04/17	14:57	2012/04/17	15:29	0:32	Inclination Adjust Maneuver(Delta-I) #31	
2012/04/02	19:05	2012/04/02	19:12	0:07	MODIS Lunar Calibration Roll Maneuver #93	Roll Angle:-5.1001deg
2012/03/14	15:15	2012/03/14	16:13	0:58	Drag Makeup(DMU) Maneuver #58	
2012/03/04	2:58	2012/03/04	3:05	0:07	MODIS Lunar Calibration Roll Maneuver #92	Roll Angle:-7.7522deg
2012/02/03	9:18	2012/02/03	9:24	0:06	MODIS Lunar Calibration Roll Maneuver #91	Roll Angle:-8.6196deg
2012/01/25	14:30	2012/01/25	15:24	0:56	Drag Makeup(DMU) Maneuver #57	
2012/01/04	12:22	2012/01/04	12:29	0:07	MODIS Lunar Calibration Roll Maneuver #90	Roll Angle:-4.5895deg
2011/12/20	14:55	2011/12/20	15:54	0:59	Drag Makeup(DMU) Maneuver #56	
2011/12/06	14:45	2011/12/06	15:41	0:56	Drag Makeup(DMU) Maneuver #55	
2011/12/05	18:54	2011/12/05	19:01	0:07	MODIS Lunar Calibration Roll Maneuver #89	Roll Angle:-0.3267deg
2011/11/17	14:11	2011/11/17	15:09	0:58	Drag Makeup(DMU) Maneuver #54	
2011/11/05	18:54	2011/11/05	19:10	0:16	MODIS Lunar Calibration Roll Maneuver #88	Roll Angle:-2.415deg
2011/10/27	13:55	2011/10/27	14:54	0:59	Drag Makeup(DMU) Maneuver #53	
2011/10/07	11:08	2011/10/07	11:34	0:26	MODIS Lunar Calibration Roll Maneuver #87	Roll Angle:-13.3063deg
2011/10/04	6:51				Observation with 40 rpm was stopped	
2011/09/29	14:30	2011/09/29	16:10	1:40	Drag Makeup(DMU) Maneuver #52	
2011/09/08	0:45	2011/09/08	1:05	0:20	No Data due to power-off/on of the AMSR-E for recovery operations	
2011/08/31	15:45	2011/08/31	16:44	0:59	Drag Makeup(DMU) Maneuver #51	
2011/07/10	21:12	2011/07/10	21:43	0:31	MODIS Lunar Calibration Roll Maneuver #86	Roll Angle:-20deg
2011/06/22	13:50	2011/06/22	15:39	1:49	Drag Makeup(DMU) Maneuver #50	
2011/06/11	16:47	2011/06/11	17:14	0:27	MODIS Lunar Calibration Roll Maneuver #85	Roll Angle:-14.2849deg
2011/06/08	13:40	2011/06/08	15:24	1:44	Drag Makeup(DMU) Maneuver #49	
2011/05/13	12:18	2011/05/13	12:39	0:21	MODIS Lunar Calibration Roll Maneuver #84	Roll Angle:-6.9895deg
2011/04/20	14:30	2011/04/20	15:39	1:09	Drag Makeup(DMU) Maneuver #48	
2011/04/14	6:02	2011/04/14	6:21	0:19	MODIS Lunar Calibration Roll Maneuver #83	Roll Angle:-4.5903deg
2011/04/05	15:58	2011/04/05	16:29	0:31	Inclination Adjust Maneuver(Delta-I) #30	
2011/03/29	15:51	2011/03/29	16:22	0:31	Inclination Adjust Maneuver(Delta-I) #29	
2011/03/22	15:44	2011/03/22	16:15	0:31	Inclination Adjust Maneuver(Delta-I) #28	
2011/03/15	18:49	2011/03/15	19:11	0:22	MODIS Lunar Calibration Roll Maneuver #82	Roll Angle:-7.3407deg
2011/03/01	13:40	2011/03/01	14:39	0:59	Drag Makeup(DMU) Maneuver #47	
2011/02/14	6:03	2011/02/14	6:27	0:24	MODIS Lunar Calibration Roll Maneuver #81	Roll Angle:-9.9616deg
2011/02/08	1:10	2011/02/08	3:59	2:49	Drag Makeup(DMU) Maneuver #46	
2011/01/15	14:04	2011/01/15	14:26	0:22	MODIS Lunar Calibration Roll Maneuver #80	Roll Angle:-7.7223deg
2011/01/02	14:40	2011/01/02	16:04	1:24	Drag Makeup(DMU) Maneuver #45	
2010/12/16	19:00	2010/12/16	19:07	0:07	MODIS Lunar Calibration Roll Maneuver #79	Roll Angle:-0.9294deg
2010/11/17	16:20	2010/11/17	17:29	1:09	Drag Makeup(DMU) Maneuver #44	
2010/11/17	1:41	2010/11/17	1:48	0:07	MODIS Lunar Calibration Roll Maneuver #78	Roll Angle:-0.2456deg
2010/10/18	6:26	2010/10/18	6:50	0:24	MODIS Lunar Calibration Roll Maneuver #77	Roll Angle:-9.7508deg
2010/09/29	14:00	2010/09/29	15:04	1:04	Drag Makeup(DMU) Maneuver #43	
2010/09/18	9:32	2010/09/18	10:02	0:30	MODIS Lunar Calibration Roll Maneuver #76	Roll Angle:-19.3639deg

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2010/07/28	0:40	2010/07/28	1:02	0:22	No Data due to power-off/on of the AMSR-E for recovery operations	
2010/07/27	14:45	2010/07/27	15:54	1:09	Drag Makeup(DMU) Maneuver #42	
2010/06/21	21:14	2010/06/21	21:43	0:29	MODIS Lunar Calibration Roll Maneuver #75	Roll Angle:-17.5721deg
2010/06/16	0:04	2010/06/16	1:20	1:16	Data Loss due to on-board system maintenance to change parameter	
2010/06/10	23:45	2010/06/11	0:06	0:21	Data Loss due to on-board system maintenance to change parameter	
2010/05/23	15:09	2010/05/23	15:32	0:23	MODIS Lunar Calibration Roll Maneuver #74	Roll Angle:-8.9085deg
2010/04/24	10:34	2010/04/24	10:52	0:18	MODIS Lunar Calibration Roll Maneuver #73	Roll Angle:-4.1773deg
2010/04/15	14:50	2010/04/15	16:29	1:39	Drag Makeup(DMU) Maneuver #41	
2010/03/26	2:36	2010/03/26	2:57	0:21	MODIS Lunar Calibration Roll Maneuver #72	Roll Angle:-6.4816deg
2010/03/23	15:21	2010/03/23	15:52	0:31	Inclination Adjust Maneuver(Delta-I) #27	
2010/03/16	15:14	2010/03/16	15:45	0:31	Inclination Adjust Maneuver(Delta-I) #26	
2010/03/09	15:07	2010/03/09	15:38	0:31	Inclination Adjust Maneuver(Delta-I) #25	
2010/02/24	17:06	2010/02/24	17:30	0:24	MODIS Lunar Calibration Roll Maneuver #71	Roll Angle:-10.3562deg
2010/02/02	8:06:00	2010/02/05	7:07:12	71:01:12	Antenna Drive Electronics (ADE) Control Unit of AMSR-E was swapped to its redundant unit (ADE-B) due to the anomaly detection by AMSR-E onboard Fault Management system.	
2010/01/28	14:30	2010/01/28	15:34	1:04	Drag Makeup(DMU) Maneuver #40	
2010/01/26	6:02	2010/01/26	6:26	0:24	MODIS Lunar Calibration Roll Maneuver #70	Roll Angle:-9.8288deg
2009/12/27	17:26	2009/12/27	17:44	0:18	MODIS Lunar Calibration Roll Maneuver #69	Roll Angle:-4.1484deg
2009/11/25	14:25	2009/11/25	16:14	1:49	Debris Avoidance Maneuver(DAM) #1 Drag Makeup(DMU) Maneuver #39	
2009/11/18	16:00	2009/11/18	17:04	1:04	Drag Makeup(DMU) Maneuver #38	
2009/10/29	8:20	2009/10/29	8:41	0:21	MODIS Lunar Calibration Roll Maneuver #67	Roll Angle:-6.1353deg
2009/10/22	01:30	2009/10/22	01:50	0:20	No Data due to power-off/on of the AMSR-E for recovery operations	
2009/09/29	14:43	2009/09/29	15:12	0:29	MODIS Lunar Calibration Roll Maneuver #66	Roll Angle:-17.377deg
2009/08/06	15:10	2009/08/06	16:09	0:59	Drag Makeup(DMU) Maneuver #37	
2009/07/02	5:02	2009/07/02	5:32	0:30	MODIS Lunar Calibration Roll Maneuver #65	Roll Angle:-19.7496deg
2009/06/02	22:57	2009/06/02	23:22	0:25	MODIS Lunar Calibration Roll Maneuver #64	Roll Angle:-11.6067deg
2009/05/04	15:07	2009/05/04	15:25	0:18	MODIS Lunar Calibration Roll Maneuver #63	Roll Angle:-4.0351deg
2009/04/29	14:38	2009/04/29	15:09	0:31	Inclination Adjust Maneuver(Delta-I) #24	
2009/04/23	15:15	2009/04/23	15:46	0:31	Inclination Adjust Maneuver(Delta-I) #23	
2009/04/21	15:27	2009/04/21	15:58	0:31	Inclination Adjust Maneuver(Delta-I) #22	
2009/04/08	15:57	2009/04/08	16:28	0:31	Inclination Adjust Maneuver(Delta-I) #21	
2009/04/05	7:08	2009/04/05	7:28	0:20	MODIS Lunar Calibration Roll Maneuver #62	Roll Angle:-5.2059deg
2009/04/02	14:54	2009/04/02	15:25	0:31	Inclination Adjust Maneuver(Delta-I) #20	
2009/03/31	15:06	2009/03/31	15:38	0:32	Inclination Adjust Maneuver(Delta-I) #19	
2009/03/18	15:36	2009/03/18	16:07	0:31	Inclination Adjust Maneuver(Delta-I) #18	
2009/03/12	14:33	2009/03/12	15:04	0:31	Inclination Adjust Maneuver(Delta-I) #17	
2009/03/10	14:45	2009/03/10	15:16	0:31	Inclination Adjust Maneuver(Delta-I) #16	
2009/03/06	23:14	2009/03/06	23:38	0:24	MODIS Lunar Calibration Roll Maneuver #61	Roll Angle:-10.4940deg
2009/02/05	15:26	2009/02/05	15:51	0:25	MODIS Lunar Calibration Roll Maneuver #60	Roll Angle:-11.9153deg
2009/01/07	4:25	2009/01/07	4:46	0:21	MODIS Lunar Calibration Roll Maneuver #59	Roll Angle:-6.5716deg
2008/12/08	22:32	2008/12/08	22:46	0:14	MODIS Lunar Calibration Roll Maneuver #58	Roll Angle:-1.0354deg
2008/12/04	14:52	2008/12/04	15:54	1:02	Drag Makeup(DMU) Maneuver #36	

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2008/11/09	3:37	2008/11/09	3:53	0:16	MODIS Lunar Calibration Roll Maneuver #57	Roll Angle:-2.517deg
2008/10/15	15:00	2008/10/15	15:59	0:59	Drag Makeup(DMU) Maneuver #35	
2008/10/10	19:49	2008/10/10	20:17	0:28	MODIS Lunar Calibration Roll Maneuver #56	Roll Angle:-15.3835deg
2008/07/24	14:30	2008/07/24	15:39	1:09	Drag Makeup(DMU) Maneuver #34	
2008/06/25	23:44	2008/06/26	0:30	0:46	No Data due to power-off/on of the AMSR-E for recovery operations	
2008/06/13	16:29	2008/06/13	16:56	0:27	MODIS Lunar Calibration Roll Maneuver #55	Roll Angle:-15.2785deg
2008/05/15	3:44	2008/05/15	4:05	0:21	MODIS Lunar Calibration Roll Maneuver #54	Roll Angle:-6.6824deg
2008/04/23	15:45	2008/04/23	16:49	1:04	Drag Makeup(DMU) Maneuver #33	
2008/04/15	14:49	2008/04/15	15:09	0:20	MODIS Lunar Calibration Roll Maneuver #53	Roll Angle:-5.5221deg
2008/03/17	3:36	2008/03/17	4:01	0:25	MODIS Lunar Calibration Roll Maneuver #52	Roll Angle:-10.9007deg
2008/02/16	19:48	2008/02/16	20:14	0:26	MODIS Lunar Calibration Roll Maneuver #51	Roll Angle:-13.7743deg
2008/01/18	10:24	2008/01/18	10:48	0:24	MODIS Lunar Calibration Roll Maneuver #50	Roll Angle:-9.782deg
2008/01/09	15:40	2008/01/09	16:49	1:09	Drag Makeup(DMU) Maneuver #32	
2007/11/09	14:45	2007/11/09	15:54	1:09	Drag Makeup(DMU) Maneuver #31	
2007/07/17	13:23	2007/07/17	13:34	0:11	On-board system maintenance to change parameter	
2007/07/12	13:55	2007/07/12	14:54	0:59	Drag Makeup(DMU) Maneuver #30	
2007/06/26	13:52	2007/06/26	14:12	0:20	On-board system maintenance to change parameter	
2007/05/27	2:19	2007/05/27	2:42	0:23	MODIS Lunar Calibration Roll Maneuver #47	Roll Angle:-8.9926deg.
2007/05/08	16:25	2007/05/08	16:57	0:22	Inclination Adjust Maneuver (Delta-I) #15	
2007/04/27	8:30	2007/04/27	8:49	0:19	MODIS Lunar Calibration Roll Maneuver #46	Roll Angle:-4.8556deg.
2007/04/25	15:16	2007/04/25	15:47	0:31	Inclination Adjust Maneuver (Delta-I) #14	
2007/04/11	15:02	2007/04/11	15:34	0:32	Inclination Adjust Maneuver (Delta-I) #13	
2007/03/14	16:14	2007/03/14	16:45	0:21	Inclination Adjust Maneuver (Delta-I) #12	
2007/02/27	3:32	2007/02/27	3:59	0:27	MODIS Lunar Calibration Roll Maneuver #45	Roll Angle:-14.1269deg.
2007/01/28	16:29	2007/01/28	16:55	0:26	MODIS Lunar Calibration Roll Maneuver #44	Roll Angle:-12.0430deg.
2007/01/04	16:05	2007/01/04	16:59	0:54	Drag Makeup(DMU) Maneuver #29	
2006/12/30	7:12	2006/12/30	7:30	0:18	MODIS Lunar Calibration Roll Maneuver #43	Roll Angle:-4.2394deg.
2006/12/01	0:28	2006/12/01	1:30	1:02	No Data due to power-off/on of the AMSR-E for recovery operations	
2006/11/17	4:36	2006/11/19	16:55	60:19	No Data due to Sleep Mode to avoid Leonid meteor shower	
2006/11/15	14:50	2006/11/15	15:38	0:48	Drag Makeup(DMU) Maneuver #28	
2006/11/09	1:06	2006/11/09	2:18	1:12	No Data due to power-off/on of the AMSR-E for recovery operations	
2006/11/01	19:28	2006/11/01	19:53	0:25	MODIS Lunar Calibration Roll Maneuver #41	Roll Angle:-10.2152deg.
2006/09/12	16:09	2006/09/12	16:40	0:31	Inclination Adjust Maneuver (Delta-I) #11	
2006/09/07	15:51	2006/09/07	16:22	0:31	Inclination Adjust Maneuver (Delta-I) #10	
2006/08/29	15:58	2006/08/29	16:30	0:32	Inclination Adjust Maneuver (Delta-I) #9	
2006/08/22	15:52	2006/08/22	16:30	0:38	Inclination Adjust Maneuver (Delta-I) #8	
2006/07/06	13:35	2006/07/06	14:05	0:45	MODIS Lunar Calibration Roll Maneuver #40	Roll Angle:-19.9065deg.
2006/06/14	13:15	2006/06/14	15:00	1:45	Drag Makeup(DMU) Maneuver #27	
2006/06/07	4:09	2006/06/07	4:34	0:25	MODIS Lunar Calibration Roll Maneuver #39	Roll Angle:-11.6964deg.
2006/05/08	10:23	2006/05/08	10:43	0:20	MODIS Lunar Calibration Roll Maneuver #38	Roll Angle:-5.5124deg.
2006/04/19	14:50	2006/04/19	15:49	0:59	Drag Makeup(DMU) Maneuver #26	
2006/04/08	16:31	2006/04/08	16:55	0:24	MODIS Lunar Calibration Roll Maneuver #37	Roll Angle:-9.6591deg.
2006/03/09	21:08	2006/03/09	21:34	0:26	MODIS Lunar Calibration Roll Maneuver #36	Roll Angle:-14.2597deg.
2006/02/08	5:07	2006/02/08	5:33	0:26	MODIS Lunar Calibration Roll Maneuver #35	Roll Angle:-13.7904deg.
2006/02/01	15:20	2006/02/01	16:14	0:54	Drag Makeup(DMU) Maneuver #25	

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2006/01/09	14:50	2006/01/09	15:12	0:22	MODIS Lunar Calibration Roll Maneuver #34	Roll Angle:-6.9631deg.
2005/12/11	4:09	2005/12/11	4:16	0:07	MODIS Lunar Calibration Roll Maneuver #33	
2005/12/08	14:21	2005/12/08	16:09	1:48	Drag Makeup(DMU) Maneuver #24	
2005/11/20	12:11	2005/11/21	13:48	25:37	No Data due to Sleep Mode to avoid Leonid meteor shower	
2005/11/17	0:51	2005/11/18	2:44	25:52	No Data due to Sleep Mode to avoid Leonid meteor shower	
2005/11/11	20:32	2005/11/11	20:54	0:21	MODIS Lunar Calibration Roll Maneuver #32	Roll Angle:-7.6621deg.
2005/10/13	16:06	2005/10/13	16:41	0:34	MODIS Lunar Calibration Roll Maneuver #31	Roll Angle:-19.6645deg.
2005/10/06	15:05	2005/10/06	17:07	2:02	Drag Makeup(DMU) Maneuver #23	
2005/08/03	15:55	2005/08/03	17:04	1:09	Drag Makeup(DMU) Maneuver #22	
2005/06/18	1:03	2005/06/18	1:21	0:18	MODIS Lunar Calibration Roll Maneuver #30	Roll Angle-14.3051deg.
2005/05/19	12:16	2005/05/19	12:31	0:15	MODIS Lunar Calibration Roll Maneuver #29	Roll Angle:-7.0831deg.
2005/05/13	15:53	2005/05/13	17:05	1:12	Drag Makeup(DMU) Maneuver #21	
2005/04/19	18:25	2005/04/19	18:47	0:22	MODIS Lunar Calibration Roll Maneuver #28	Roll Angle:-8.1412deg.
2005/03/21	0:39	2005/03/21	1:06	0:27	MODIS Lunar Calibration Roll Maneuver #27	Roll Angle:-13.7498deg.
2005/03/02	17:00	2005/03/02	18:32	1:32	Drag Makeup(DMU) Maneuver #20	
2005/02/19	3:41	2005/02/19	4:08	0:27	MODIS Lunar Calibration Roll Maneuver #26	Roll Angle:-14.4239deg.
2005/01/20	8:26	2005/01/20	8:50	0:24	MODIS Lunar Calibration Roll Maneuver #25	Roll Angle:-9.0663deg.
2005/01/12	17:49	2005/01/12	19:28	1:39	Drag Makeup(DMU) Maneuver #19	
2004/12/21	16:41	2004/12/21	16:56	0:15	MODIS Lunar Calibration Roll Maneuver #24	Roll Angle:-1.4013deg.
2004/11/22	1:00	2004/11/22	1:19	0:19	MODIS Lunar Calibration Roll Maneuver #23	Roll Angle:-4.1991deg.
2004/11/18	20:09	2004/11/20	14:22	42:13	No Data due to Sleep Mode to avoid Leonid meteor shower	
2004/11/18	14:27	2004/11/18	16:32	2:05	Drag Makeup(DMU) Maneuver #18	
2004/11/05	15:47	2004/11/05	16:39	0:52	No Data due to power-off/on of the AMSR-E for recovery operations	
2004/11/04	16:47				Data Deficit of AMSR-E 89GHz receiver A. (Not available yet)	
2004/10/23	22:13	2004/10/23	22:41	0:28	MODIS Lunar Calibration Roll Maneuver #22	Roll Angle:-16.6865deg.
2004/10/12	15:39	2004/10/12	16:11	0:32	Inclination Adjust Maneuver (Delta-I) #7	
2004/10/05	15:34	2004/10/05	16:00	0:26	Inclination Adjust Maneuver (Delta-I) #6	
2004/09/28	15:29	2004/09/28	16:00	0:31	Inclination Adjust Maneuver (Delta-I) #5	
2004/09/21	15:23	2004/09/21	15:55	0:32	Inclination Adjust Maneuver (Delta-I) #4	
2004/09/14	15:18	2004/09/14	15:49	0:31	Inclination Adjust Maneuver (Delta-I) #3	
2004/08/05	9:46	2004/08/05	11:31	1:45	Drag Makeup(DMU) Maneuver #17	
2004/06/30	12:56				89GHz AV Receiver Gain Change (GAIN=x23)	
2004/06/28	12:06	2004/06/28	12:34	0:28	MODIS Lunar Calibration Roll Maneuver #21	Roll Angle:-16.0286deg.
2004/06/22	20:21	2004/06/22	21:57	1:36	Drag Makeup(DMU) Maneuver #16	
2004/06/02	1:35				Set the MGC Value to GAIN=x40 and OFFSET=x00.	
2004/06/02	1:34				Switch the AMSR-E 89GHz AV Receiver Mode from the Auto Gain Control(AGC) to the Manual Gain Control(MGC).	
2004/06/02	0:31	2004/06/02	1:30	0:59	No Data due to SPS reset	
2004/05/30	4:18	2004/05/30	4:40	0:22	MODIS Lunar Calibration Roll Maneuver #20	Roll Angle:-7.8218deg.
2004/04/30	17:04	2004/04/30	17:26	0:22	MODIS Lunar Calibration Roll Maneuver #19	Roll Angle:-6.9795deg.
2004/04/21	15:50	2004/04/21	17:30	1:40	Drag Makeup(DMU) Maneuver #15	
2004/04/01	2:33	2004/04/01	2:59	0:26	MODIS Lunar Calibration Roll Maneuver #18	Roll Angle:-12.1168deg.

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2004/03/31	13:30	2004/03/31	16:45	1:45	Inclination Adjust Maneuver (Delta-I) (Data partly reprocessed with definitive ephemeris for erroneous predictive ephemeris)	
2004/03/12					AMSR-E High Level Product Data Release(Ver2.00)	
2004/03/04	2:34				Set the MGC Value to GAIN=x40 and OFFSET=x00.	
2004/03/04	2:33				Switch the AMSR-E 89GHz AV Receiver Mode from the Auto Gain Control(AGC) to the Manual Gain Control(MGC).	
2004/03/04	1:35	2004/03/04	2:31	0:56	No Data due to SPS reset	
2004/03/02	7:13	2004/03/02	7:44	0:31	MODIS Lunar Calibration Roll Maneuver #17	Roll Angle:-14.1956deg.
2004/02/01	11:57	2004/02/01	12:25	0:28	MODIS Lunar Calibration Roll Maneuver #16	Roll Angle:-11.027deg.
2004/01/29	13:16				Set the MGC Value to GAIN=x40 and OFFSET=x00. (The corresponding scene is P1AME040129076MD)	
2004/01/29	13:13				Switch the AMSR-E 89GHz AV Receiver Mode from the Auto Gain Control(AGC) to the Manual Gain Control(MGC).	
2004/01/21	16:00	2004/01/21	18:30	2:30	Drag Makeup(DMU) Maneuver #14	
2004/01/02	15:10	2004/01/02	15:27	0:17	MODIS Lunar Calibration Roll Maneuver #15	Roll Angle:-3.3968deg.
2003/12/17	17:10	2003/12/17	18:08	0:58	Drag Makeup(DMU) Maneuver #13	
2003/12/12	9:00				AMSR-E CoRegistrationParameterA1&A2 changed (from P1AME031212220MA)	
2003/12/03	18:34	2003/12/03	18:50	0:16	MODIS Lunar Calibration Roll Maneuver #14	Roll Angle:-2.26deg.
2003/11/18	15:33	2003/11/19	19:03	27:30	No Data due to Sleep Mode to avoid Leonid meteor shower	
2003/11/13	5:23	2003/11/14	6:07	24:44	No Data due to Sleep Mode to avoid Leonid meteor shower	
2003/11/05	15:00	2003/11/05	17:50	2:50	Drag Makeup(DMU) Maneuver #12	
2003/11/04	9:12	2003/11/04	9:39	0:26	MODIS Lunar Calibration Roll Maneuver #13	Roll Angle:-13.73deg.
2003/10/29	15:58	2003/11/06	11:59	188:01	No Data due to Sleep mode to avoid electro-magnetic storm caused by high solar activities	
2003/10/07	15:03	2003/10/07	16:45	1:42	Inclination Adjust Maneuver (Delta-I) (Data partly reprocessed with definitive ephemeris for erroneous predictive ephemeris)	
2003/09/19					AMSR-E High Level Product Data Release(Ver.1.00 WV,AP,SSW,SST,IC)	
2003/08/12	12:44	2003/08/12	13:23	0:39	Test Delta-I Maneuver (Data partly reprocessed with definitive ephemeris for erroneous predictive ephemeris)	
2003/07/09	18:09	2003/07/09	18:38	0:29	MODIS Lunar Calibration Roll Maneuver #12	Roll Angle:-18.4876deg.
2003/06/18					AMSR-E Level1 Product Data Release	
2003/06/12	14:59	2003/06/12	16:41	1:42	Drag Makeup(DMU) Maneuver #11	
2003/06/10	12:02	2003/06/10	12:25	0:23	MODIS Lunar Calibration Roll Maneuver #11	Roll Angle:-9.6692deg.
2003/05/12	5:47	2003/05/12	6:08	0:21	MODIS Lunar Calibration Roll Maneuver #10	Roll Angle:-6.7176deg.
2003/04/24	16:03	2003/04/24	18:19	2:16	Drag Makeup(DMU) Maneuver #10	
2003/04/12	20:13	2003/04/12	20:37	0:24	MODIS Lunar Calibration Roll Maneuver #9	Roll Angle:-10.4528deg.
2003/03/19	15:33	2003/03/19	17:07	1:34	Drag Makeup(DMU) Maneuver #9	
2003/03/14	7:16	2003/03/14	7:58	0:42	MODIS Lunar Calibration Roll Maneuver #8	Roll Angle:-13.7657deg.
2003/02/12	13:48	2003/02/12	14:13	0:25	MODIS Lunar Calibration Roll Maneuver #7	Roll Angle:-11.6949deg.
2003/01/30	19:33	2003/01/30	22:08	2:35	Drag Makeup(DMU) Maneuver #8	
2003/01/13	18:37	2003/01/13	18:59	0:22	MODIS Lunar Calibration Roll Maneuver #6	Roll Angle:-5.3215deg.
2003/01/03	15:06	2003/01/03	16:44	1:38	Drag Makeup(DMU) Maneuver #7	
2002/12/14	21:59	2002/12/14	22:14	0:15	MODIS Lunar Calibration Roll Maneuver #5	Roll Angle:-1.4207deg.

From (UT)		To (UT)		Duration	Event	Remarks
date	time	date	time			
2002/12/12	14:49	2002/12/12	16:29	1:40	Drag Makeup(DMU) Maneuver #6	
2002/11/19	0:14	2002/11/19	13:29	13:15	No Data due to Sleep Mode to avoid Leonid meteor shower	
2002/11/15	4:29	2002/11/15	4:53	0:24	MODIS Lunar Calibration Roll Maneuver #4	Roll Angle:-9.8076deg.
2002/11/13	14:37	2002/11/13	16:18	1:41	Drag Makeup(DMU) Maneuver #5	
2002/10/17	14:49	2002/10/17	16:40	1:51	Drag Makeup(DMU) Maneuver #4	
2002/10/16	14:11	2002/10/16	14:45	0:34	MODIS Lunar Calibration Roll Maneuver #3	Roll Angle:-20.0509deg.
2002/09/24	1:41	2002/09/24	1:51	0:10	No Data due to SPS reset, unstable AGC level for the following 100 mintues	
2002/09/12	1:31	2002/09/20	1:41	192:10	No data due to LLM	
2002/08/22	14:54	2002/08/22	16:40	1:46	Drag Makeup(DMU) Maneuver #3	
2002/07/29	20:18	2002/08/08	0:24	220:06	No data due to LLM	
2002/07/19	21:00	2002/07/19	21:34	0:34	MODIS Lunar Calibration Roll Maneuver #2	Roll Angle:-19.3543deg.
2002/06/28	23:02	2002/06/29	18:25	19:23	HTS (High Temperature Noise Source) temperature out of range for LLM recovery	
2002/06/27	15:40	2002/06/28	23:02	31:22	No data due to LLM (Light Load Mode)	
2002/06/20	16:42	2002/06/20	16:49	6:46	MODIS Lunar Calibration Roll Maneuver #1	Roll Angle:-11.6745deg.
2002/05/18					AMSR-E science data transmission start	
2002/05/14					AMSR-E telemetry processing device(IST) operation start	
2002/05/11					Orbital data (GBAD) transmission start	
2002/05/04					Aqua Launch	